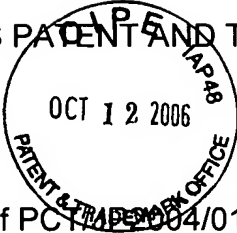


IFW



P30125.A02

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Hideyuki OKABE et al. Group Art Unit : 2618
Appl. No. : 10/596,790 Examiner : Not Yet Assigned
(U.S. National Stage of PCT/JP2004/019269)
I.A. Filed : December 16, 2004 Confirmation No. : 1488
For : FREQUENCY CONVERTER

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
U.S. Patent and Trademark Office
Customer Service Window, Mail Stop AMENDMENT
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56 and §§1.97-1.98,
Applicants hereby bring to the attention of the Examiner the following information.

The following documents were cited in an International Search Report with
respect to International Patent Application No. PCT/JP2004/019269, of which the
above-captioned application is the U.S. National Stage Application. Copies of the
International Search Report (in English and Japanese) have been filed concurrently
with the present application and should thus have already been brought to the attention
of the Examiner:

- (1) Japanese Laid-Open Patent Publication No. 2001-223534, together with
an English language translation thereof;

- (2) Japanese Laid-Open Patent Publication No. 2003-008384, together with an English language Abstract of the same, and patent family member U.S. Patent Application Publication No. 2002/0149445 to CHAWLA et al., which was published on October 17, 2002; and
- (3) Japanese Laid-Open Patent Publication No. HEI 9-214276, together with an English language translation thereof.

The relevance of these documents, as ascertained with respect to the international claims by the International Examiner, is set forth in the International Search Report.

Applicants further submit the following documents:

- (4) Japanese Laid-Open Patent Publication No. 2003-069345, together with an English language translation thereof. Applicants note that this document is cited beginning at page 1 of the specification of the above-captioned application; and
- (5) COHN et al., "Harmonic Mixing with an Antiparallel Diode Pair," IEEE Transaction on Microwave Theory and Techniques, August 1975, vol. MTT-23, No. 8, pages 667-673. Applicants note that this document is cited beginning at page 1 of the specification of the above-captioned application.

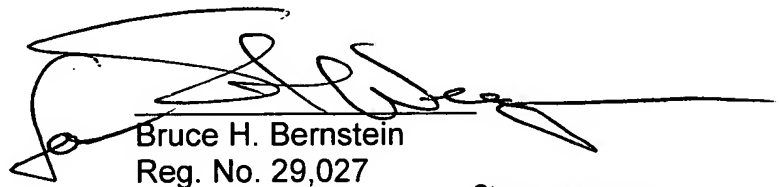
Further to 37 C.F.R. §1.98 (a)(2)(ii), copies of the U.S. patent publication is not enclosed herewith. However, if a copy is needed, the Examiner is respectfully requested to contact the undersigned.

Applicants respectfully request that the Examiner consider the above material and cite the same. Copies of the above-noted foreign and international documents, including the noted English language Abstract and translations, are attached hereto, and all of the documents are listed on an attached PTO-1449 Form. The Examiner is requested to initial the appropriate spaces on the attached Form and to return a copy of the completed Form to Applicants with the next official communication in the present application.

Applicants note that an Office Action on the merits has not issued in the present application, and thus, no fee is believed necessary to ensure consideration of the submitted material.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Hideyuki OKABE et al.



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U.S. Department of Commerce
Patent and Trademark Office

Atty. Docket No.
P30125

Application No.
10/596,790

(Use several ~~sheets~~ if necessary)

Applicant
Hideyuki OKABE et al.

Filing Date
I.A. Filed December 16, 2004

Group 2618	
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U.S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	1	English Language Abstract of JP 2003-008384.
	2	COHN et al., "Harmonic Mixing with an Antiparallel Diode Pair," IEEE Transaction on Microwave Theory and Techniques, August 1975, vol. MTT-23, No. 8, pages 667-673.

EXAMINER

DATE CONSIDERED

*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.